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DIRECTOR OF CENTRAL INTELLIGENCE
Joint Atomic Energy Intelligence Committee

12 OCT 1978

MEMORANDUM FOR: [REDACTED]

25X1A

FROM:

Chairman, Joint Atomic Energy
Intelligence Committee

SUBJECT:

Review of Energy Intelligence Activities
and Developments

Attached are comments and answers to the questions included in the D/DCI/RM's 18 September 1978 memorandum on the above subject. They were discussed and generally supported by the Committee at its 10 October meeting, but the specific wording in the attached response has not received official JAEIC approval, because of the short deadline associated with the request. It should be noted that these answers have been prepared primarily regarding that portion of overall energy intelligence involving nuclear energy, and that military uses of energy are not directly included.

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Attachment:
As stated

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Response to Questions Concerning Energy Intelligence

#1. The definition is satisfactory, assuming that military uses of energy are not included.

#2. The following suggested key questions relate only to the nuclear energy portion of overall energy intelligence:

- a. What are the present programs and future plans for the development and utilization of nuclear energy for electric power production in foreign countries?
- b. What are the present programs and future plans for the transfer between foreign countries of such nuclear technology?
- c. What will be the effect of civilian nuclear power programs on potential military applications of nuclear energy (i.e., proliferation)?
- d. What success is being achieved in foreign countries in the development of fast breeder reactors, improved nuclear fuel cycles, controlled thermonuclear reactions (CTR) research, etc.?

#5. None (only considering JAEIC's nuclear energy interests).

#6. Yes (" " " " " " ").

#7. Active (" " " " " " ").

#8. JAEIC engages in no collection efforts, and has no intelligence production planned specifically devoted to energy intelligence, as defined. However, it is anticipated that the following JAEIC Reports, which include some nuclear energy information of a non-military nature, may be updated and reissued during FY 1979 or FY 1980:

JAEIC Report 2-77, "A Review of the Nuclear Programs of Countries of Interest to the Proliferation Problem"

JAEIC Report 1-76, "The Soviet Atomic Energy Program"

JAEIC Report 1-73, "Communist China's Atomic Energy Program"

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#9. JAEIC's emphasis continues to be placed on militarily important nuclear intelligence. However, the Committee recognizes the potential significant relationship between civilian nuclear power developments and proliferation possibilities, and this aspect of nuclear energy intelligence is being stressed by the Nuclear Proliferation Working Group (NPWG) of JAEIC and through other activities.

#10. Yes (only considering JAEIC's nuclear energy interests).

#11. Data bases consist of analysts' country and subject files, as well as certain automated systems in various agencies. JAEIC does not maintain such files.

#12. JAEIC has no specific recommendation. From a nuclear energy standpoint, it will be responsive to and work effectively with any mechanism created to better coordinate overall energy intelligence.

#13. JAEIC makes use of working groups (such as the NPWG) to provide a forum for discussion of collection, analytical, and production problems.

#14. The NSC, OSTP, Dept. of State, DoE, and others are users of nuclear energy intelligence. Requests are received from such users on occasions, and at times our products respond to a need expressed by a member of the Intelligence Community.

#15. JAEIC is not a collector. With regard to production, nuclear energy intelligence generally receives a sufficiently high priority, based on the degree of need by the user and the relationship to key policy issues.

#16. From the nuclear energy point of view, the following will be probable areas of intelligence concern into the future:

- a. Fast breeder reactor development and improved nuclear fuel cycles (mid-term).
- b. Nuclear waste management (mid and long term).
- c. CTR developments (long term).

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